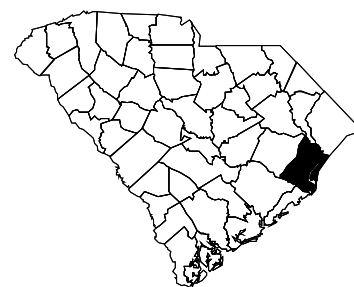


IMPACT OF CHRONIC CONDITIONS GEORGETOWN County, 2005



In the year 2005, the leading causes of death among South Carolinians were heart disease, cancer, stroke, accidents, chronic lower respiratory disease, Alzheimer's disease, diabetes, nephritis, nephritic syndrome, nephrosis, pneumonia and influenza and septicemia. This report focuses on the chronic conditions of the population of Georgetown county, and is compared to the overall chronic conditions of the population of South Carolina as a whole.

The distribution of Georgetown county's population is similar to the state population. The majority (33%) of the population in Georgetown county are between the ages of 18-44, and there are more females (52%) than males (48%). Georgetown county has a higher minority population (36%) and a higher elderly population (17%) than the state's (31% and 12% respectively). When adults in DHEC's Region 6, which includes Georgetown County, were asked about their general health status, 83.6% reported having excellent, very good, or good health in 2005 (SC was 82%).

	GEORGETOWN COUNTY	STATE
Population size	60,983	4,255,083
Age distribution (%)		
<18	23	24
18-44	33	38
45-64	27	25
65-84	16	11
85+	2	2
Race (%)		
White	64	69
Black & Other	36	31
Sex (%)		
Male	48	49
Female	52	51

In spite of the overall reports of good health given by the citizens of the Palmetto State, chronic conditions are still making an impact on the health of many South Carolinians. Through primary and secondary prevention we hope to reduce the risk factors that contribute to the major chronic diseases and leading causes of death among South Carolinians.

The chart below contains the risk factors that contribute to an increased risk of developing a chronic condition. These risk factors are related to the major causes of morbidity and mortality among South Carolinians. Some common behavioral risk factors that contribute to the leading causes of death are smoking, sedentary lifestyle, obesity, and high cholesterol. The prevalence of these risk factors from the 2005 South Carolina Behavioral Risk Factor Surveillance System (BRFSS) survey are listed in the table below for Georgetown County.

RISK FACTOR	COUNTY (%)	STATE (%)
Current smoking	25	22
Sedentary lifestyle	25	26
Overweight	64	65
High Cholesterol	34	37

Some preventive measures such as immunization were included in the 2005 SC BRFSS. For persons 65 years and older in South Carolina:

39.1% have not received the flu shot in the past 12 months

34.4% have never had the pneumonia vaccination

Hospital/ED data in the following tables include ONLY those cases treated in SC hospitals. Cases treated in hospitals outside of SC are NOT included.

HYPERTENSION AND HYPERTENSIVE DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	24.8	.	.	.	.	31.7
Number of hospitalizations	116	73	42	33	83	5,032
Crude rate of hospitalizations (per 100,000)	190	336	107	112	263	118
Median age of hospitalized patients	67	62	67	57	67	57
Total cost of hospitalization (\$)	1,901,900	1,327,900	574,000	558,000	1,343,900	109,400,500
Average length of hospital stay (days)	5	6	4	4	6	5
Number of ED visits	185	113	72	61	124	7,466
Crude rate of ED visits (per 100,000)	303	520	183	208	392	175
Median age of ED patients	57	52	67	52	62	52
Total cost of ED visits (\$)	259,700	153,400	106,300	94,000	165,700	9,929,000
Number of deaths**	9	6	3	4	5	423
Age-Adjusted Death rate (per 100,000)**	11	30	5	12	12	10

DISEASES OF THE HEART	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	4.6	.	.	.	.	4.1
Number of hospitalizations	1,432	350	1,082	809	623	60,901
Crude rate of hospitalizations (per 100,000)	2,348	1,610	2,757	2,754	1,971	1,431
Median age of hospitalized patients	72	67	72	67	72	67
Total cost of hospitalization (\$)	45,561,800	9,380,100	36,181,700	28,152,600	17,409,200	2,286,836,400
Average length of hospital stay (days)	4	5	4	4	5	5
Number of ED visits	236	95	141	124	112	12,989
Crude rate of ED visits (per 100,000)	387	437	359	422	354	305
Median age of ED patients	67	67	67	67	65	62
Total cost of ED visits (\$)	642,000	229,400	412,600	352,200	289,800	42,115,900
Number of deaths**	138	42	96	69	69	9,328
Age-Adjusted Death rate (per 100,000)**	180	212	174	209	151	218

STROKE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	3.2	.	.	.	.	3
Number of hospitalizations	292	102	190	153	139	13,925
Crude rate of hospitalizations (per 100,000)	479	469	484	521	440	327
Median age of hospitalized patients	67	62	72	67	72	72
Total cost of hospitalization (\$)	6,720,000	2,762,200	3,957,800	3,251,700	3,468,300	384,441,600
Average length of hospital stay (days)	6	7	5	6	6	6
Number of ED visits	59	25	34	26	33	2,515
Crude rate of ED visits (per 100,000)	97	115	87	89	104	59
Median age of ED patients	62	62	67	65	62	67
Total cost of ED visits (\$)	243,800	106,200	137,600	107,600	136,200	9,113,000
Number of deaths**	37	19	18	21	16	2,440
Age-Adjusted Death rate (per 100,000)**	48	97	33	65	34	59

CHRONIC OBSTRUCTIVE PULMONARY DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	441	169	272	183	258	15,753
Crude rate of hospitalizations (per 100,000)	723	777	693	623	816	370
Median age of hospitalized patients	57	42	67	62	57	62
Total cost of hospitalization (\$)	5,631,100	1,823,300	3,807,800	2,364,300	3,266,800	268,425,300
Average length of hospital stay (days)	5	4	5	5	5	5
Number of ED visits	812	500	311	342	470	36,543
Crude rate of ED visits (per 100,000)	1,332	2,300	793	1,164	1,487	859
Median age of ED patients	32	32	42	27	37	37
Total cost of ED visits (\$)	610,300	345,800	264,500	241,200	369,100	40,613,700
Number of deaths**	37	5	32	22	15	1,968
Age-Adjusted Death rate (per 100,000)**	47	25	54	73	32	46

DIABETES	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	10.6	.	.	.	.	10.3
Number of hospitalizations	209	134	75	82	127	9,027
Crude rate of hospitalizations (per 100,000)	343	616	191	279	402	212
Median age of hospitalized patients	57	57	57	57	57	52
Total cost of hospitalization (\$)	4,854,500	3,343,300	1,511,200	2,306,100	2,548,400	179,747,700
Average length of hospital stay (days)	7	7	6	7	7	6
Number of ED visits	234	182	52	93	141	9,603
Crude rate of ED visits (per 100,000)	384	837	133	317	446	226
Median age of ED patients	57	52	67	57	57	52
Total cost of ED visits (\$)	269,200	219,100	50,100	100,200	169,000	13,447,300
Number of deaths**	21	12	9	11	10	1,183
Age-Adjusted Death rate (per 100,000)**	28	64	14	35	21	27

ALL CANCERS	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	343	116	227	191	152	16,389
Crude rate of hospitalizations (per 100,000)	562	534	578	650	481	385
Median age of hospitalized patients	67	62	67	67	67	62
Total cost of hospitalization (\$)	10,721,800	3,685,500	7,036,300	5,581,300	5,140,500	664,309,500
Average length of hospital stay (days)	7	8	6	6	8	8
Number of deaths**	129	36	93	71	58	8,617
Age-Adjusted Death rate (per 100,000)**	163	178	156	207	132	196

COLORECTAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	39	11	28	15	24	2,070
Crude rate of hospitalizations (per 100,000)	64	51	71	51	76	49
Median age of hospitalized patients	67	67	67	67	67	67
Total cost of hospitalization (\$)	1,373,400	450,100	923,300	423,900	949,500	101,377,700
Average length of hospital stay (days)	8	13	6	6	10	10
Number of deaths**	15	6	9	5	10	812
Age-Adjusted Death rate (per 100,000)**	19	31	15	17	22	19

BREAST CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	14	7	7	-	14	1,228
Crude rate of hospitalizations (per 100,000)	44	62	34	.	49	56
Median age of hospitalized patients	60	57	62	-	60	62
Total cost of hospitalization (\$)	348,600	117,800	230,800	-	348,600	26,163,000
Average length of hospital stay (days)	5	5	6	-	5	3
Number of deaths**	11	6	5	-	11	651
Age-Adjusted Death rate (per 100,000)**	26	52	16	-	26	26

CERVICAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	3	2	1	-	3	192
Crude rate of hospitalizations (per 100,000)	9	18	5	-	9	9
Median age of hospitalized patients	47	57	42	-	47	47
Total cost of hospitalization (\$)	56,300	43,800	12,500	-	56,300	4,668,500
Average length of hospital stay (days)	11	16	3	-	11	4
Number of deaths**	1	1	-	-	1	63
Age-Adjusted Death rate (per 100,000)**	3	8	-	-	3	3

LUNG CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	53	10	43	28	25	2,181
Crude rate of hospitalizations (per 100,000)	87	46	110	95	79	51
Median age of hospitalized patients	67	62	67	67	67	67
Total cost of hospitalization (\$)	2,043,600	266,700	1,776,900	844,100	1,199,500	92,775,300
Average length of hospital stay (days)	7	6	8	7	8	9
Number of deaths**	40	6	34	24	16	2,703
Age-Adjusted Death rate (per 100,000)**	50	27	57	67	37	61

PROSTATE CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	46	13	33	46	-	1,209
Crude rate of hospitalizations (per 100,000)	157	124	175	124	-	58
Median age of hospitalized patients	62	62	62	62	-	62
Total cost of hospitalization (\$)	970,000	317,900	652,100	970,000	-	30,356,600
Average length of hospital stay (days)	3	3	3	3	-	4
Number of deaths**	5	2	3	5	-	460
Age-Adjusted Death rate (per 100,000)**	19	44	13	19	-	30

*Prevalence estimates at regional level

**Mortality data were provided by Division of Biostatistics, Office of Public Health Statistics and Information Systems, DHEC using ICD-10 codes.

All hospitalizations of Blacks include Blacks and Others.

For more information about

Chronic diseases in South Carolina contact:

Khosrow Heidari
Bureau of Community Health and Chronic Disease Prevention
SC Department of Health and Environmental Control
1777 St. Julian Place
Columbia, SC 29204
Tel (803) 545-4928

Hospital discharges and ED visits, contact:

Sandra Kelly
Office of Research and Statistics
SC Budget and Control Board
1919 Blanding Street
Columbia, SC 29201
(803) 898-9958
skelly@ors.state.sc.us

